AirLancer™ Extender O-9a

Wireless LAN long-range directional antenna

- Patch antenna with 9° directionality and 23dBi gain
- For WLAN Point-to-Point connections over up to 19km
- 5GHz / IEEE 802.11a
- Mounting kit, cables and adapters included
- Optimized design for all LANCOM access points

The AirLancer Extender O-9a directional antenna from LANCOM Systems is a high-end product for connecting 5-GHz wireless LANs over long distances. In combination with LANCOM access points, the 23 dBi gain enables transmissions with up to 1 Watt EIRP and provides optimal amplification of received signals. WLAN points-to-point connections over up to 19 km can be achieved.

LANCOM
Systems

AirLancer™ Extender O-9a

Technical data	
Range / data rate	For P2P connections with AirLancer Extender O-9a at both ends (approx. value, dependant on line-of-site connection and unobstructed Fresnel zone, calculated with 10dB reserve.)
At 6MBit/s	19km
At 54MBit/s	2.8km
At 108MBit/s	2km
Frequency range	5150-5350MHz / 5470-5875 MHz
Impedance	50 Ohms
Polarization	Vertical, linear
Gain	23dBi
3dB directivity pattern horizontal	9°
3dB directivity pattern vertical	9°
Downtilt	0°
Front to back ratio	> 30dB
Max. power	6W at 25°C

Mechanical data	
Dimensions	305 x 305 x25 mm (l x b x h)
Weight	1.5 kg
Housing material	plastics
Colour	lightgrey
Operating temperature	-45° to +45°C
Storage temperature	-45° to +45°C
Windload @ survival speed	264N @ 220 km/h

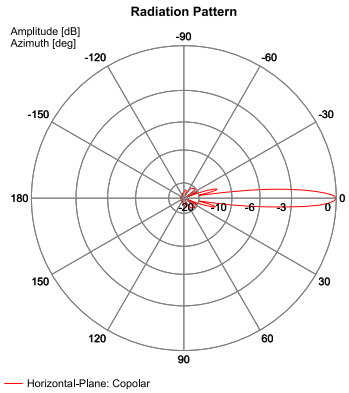
Accessories	
Cable	1m N jack to N plug
Adapter	15cm Reverse SMA to N, RP-SMA terminator for Aux antenna connectors on LANCOM access points
Installation material	For wall and pylon mounting

Accessories	
	The antenna is suitable for operation with LANCOM Wireless base stations only. The overall system meets CE standards and may be operated in those countries where the access point is notified. The system is only to be operated under strict observation of the guidelines for the use of frequency ranges and transmission power. For this purpose, LANCOM access points feature a setting for transmission power. Further information is available in the LANCOM Reference Manual and at www.lancom.de
Warranty	2 years
Item no.	61220

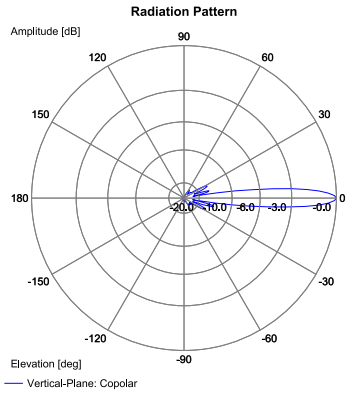
Additional LANCOM article	
AirLancer Cable NJ-NP 3m, 6m, 9m	Extension cable item no. 61230, 61231, 61232
AirLancer Extender SA-5	Antenna cable surge protector, item no. 61212

Directivity pattern

horizontal



vertical



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